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Sent: Sunday, July 19, 2020 8:22 AM

To: Larson, Leo M CTR (USA) [leo.m.larson.ctr@navy.mil]

CC: Stoick, Paul T CIV USN NAVFAC SW SAN CA (USA) [paul.stoick@navy.mil]; Messer, Ulrika [ulrika.messer@aptim.com]

Subject: [Non-DoD Source] RE: HPNS Parcel E Weekly Reports

Attachments: 500712 HPNS CTO-0024 Biweekly Status Report_7_17_20.xlsx; 501158 HPNS CTO-4761 Biweekly Status Report_7_17_20.xlsx

Hi Leo –

Attached please find the Parcel E Bi-weekly Reports for Phases 1 and 3.

If you have any questions, let me know.

Thanks, Nels

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BIWEEKLY FIELD WORK STATUS REPORT

Project Name:	HPNS Parcel E Remedial Action; Phase 1	Date:	July 17, 2020
Contract Number:	N62473-12-D-2005	Reporting Period:	6/27/2020 thru 7/17/2020
Task Order Number:	CTO-0024 EMAC II	Contractor Name:	APTIM Federal Services, LLC
Contracting Office:	NAVFAC Southwest		1725 Duke Street, Suite 400
Contracting Officer:	Karen Barba		Alexandria, VA 22314
RPM	Leo Larson	APTIM PM	Nels Johnson
Navy Lead RPM	Paul Stoick		nels.johnson@aptim.com
			925-787-0677
Period of Performance:	August 08, 2018 through February 08, 2021	APTIM Project No.	500712

1. Summary of Field Work Accomplishments During Reporting Period

Work Element	Comments
1.4 - Project Management and Admin Support	Managed overall Project scope, schedule and budget. Participated in Weekly QC Meeting. Communicated project updates, key issues/aspects and path forward to Navy RPM on a regular basis. Prepared and submitted draft schedule of values for June invoicing and draft slides for upcoming Community Meeting.
3.1 thru 3.3 - Temporary Construction Facilities, Site Maintenance, Air Monitor, Survey, Radiological Controls	Maintained temporary facilities including Radiological Controls, Security, BMPs, Air Monitoring, Turbidity Curtain, Surface Water Samples, UXO and Topographic Surveys.
3.4 - Excavation; Tier 1, 2 and TPH Locations	<p>Performed excavation efforts at EX02B122, EXB415, EX02GR131SW, EX02B428, EX02GR132BT, EX02B524, EX02GR117SW, EX02B401, EX02B100, EX02B415SP, EX02S320, EX02B461, EX02B412 and EX02B456. As of July 10, 2020 all planned non-deferred base excavations in EOS-1 and EOS-2 were completed (22,470 BCY). Analytical results, step outs (if applicable) and backfill efforts are pending.</p> <p>Continued Mechanical Screening Soil/Debris to less than 2" to accommodate S3 and RSY Pad Radiological processing of soil.</p> <p>There were 21 LLROs discovered in the above excavations performed during the period. The initial findings of LLROs have been documented, assigned numbers and placed in locked storage pending isotopic evaluation.</p> <p>The Proof of Concept (S3 Soil Processing) began on July 1, 2020. Nearly all the processed soil was diverted to the "Hot" side of the system due to Cs137 Alarm threshold. On July 2nd after some discussion, the Navy directed APTIM not to adjust the Alarm threshold until Regulatory approval is obtained. From July 1st thru July 9th a total of 1,232 BCY of soil was S3 processed and 99.9% was diverted to the "Hot" side and could not be used as part of the POC. S3 Processing was temporarily discontinued on 7/10 and APTIM provided support for adjusting the Alarm threshold to 0.86 pCi/g. On 7/16 APTIM received direction from the Navy (after BCT acknowledgement) to adjust the Cs137 Alarm threshold to 0.75 pCi/g and began processing material again on 7/17.</p>
3.5 - Steam and Fuel Line Closure/Removal	No activity this period.
3.6 - Soil Gas Survey	No activity this period.
3.7 - Groundwater Treatment	No activity this period.
3.8 - Soil Vapor Extraction	No activity this period.
3.9 - Biological Coordination	As-needed weekly coordination.
4.1 thru 4.3 Reporting	No activity this period.

**BIWEEKLY FIELD WORK STATUS REPORT****2. Planned Accomplishments During Next Reporting Period**

Work Element	Comments
1.4 - Project Management and Admin Support	Manage overall Project scope, schedule and budget. Participate in Weekly QC Meeting. Continue to communicate project updates, key issues/aspects and path forward to Navy RPM on a regular basis. Respond to Mod 12 RFP (receipt pending)
3.1 thru 3.3 - Temporary Construction Facilities, Site Maintenance, Air Monitor, Survey, Radiological Controls	Maintain temporary facilities including Radiological Controls, Security, BMPs, Air Monitoring, Turbidity Curtain, Surface Water Samples, UXO and Topographic Surveys.
3.4 - Excavation; Tier 1, 2 and TPH Locations	Continue to perform excavation efforts in EOS-1 and EOS-2 Areas by performing step outs and backfill activities. Continue Screening Soil/Debris to less than 2" to accommodate S3 and RSY Pad Radiological processing of soil. Continue Proof of Concept efforts by taking initial 10% (2,560 BCY) of S3 processed soil and spreading on RSY Pads to be scanned with RS700.
3.9 - Biological Coordination	As-needed weekly coordination.

3. Open Items:

Status of FCRs:	There have been 6 FCRs submitted to-date on CTO0024. FCR 001, 002, and 004 have been approved by the Navy. FCR 003 is currently in Navy review, FCR 005 has been canceled and FCR 006 is on hold.
Status of Submittals:	There have been 2 submittals related to offsite borrow material that have been approved; General Fill and Drain Rock (Stanford Pile and Vulcan and Hanson Quarry Material).



BIWEEKLY FIELD WORK STATUS REPORT

Status of Modifications/REAs:

APTIM & Navy held scoping meetings to review upcoming MOD SOW on 11/19/2019, 01/09/2020 and 02/13/2020. The CTO 0024 Mod 12 RFP is pending by the Navy. Submitted email to RPM on 4/24/2020 requesting CTO 0024 MOD 12 approval no later than May 20 to avoid impacting the planned schedule for processing ESS soils. RFP for MOD 12 was received on July 13, 2020 and currently due on or before July 27th.

4. Production Summary:

Status of Excavation:

An estimated 22,470 BCY have been excavated since the May 2020 remobilization. A total 23,910 BCY (89%) have been excavated to date. Note these volumes are estimates based on truck counts.

Status of Backfill:

There are a total of 14 excavation areas that have been backfilled to date. They are: EX02B405, EX02B442, EX02B403, EX02B398, EX02GR179SW, EX02SS310, EX02GR184SW, EX02B122B, Small Arms Berm, EX02BGR93SW, EX02MW149, EX02B401, EX02B462 and EX02B456.

HPNS Parcel E Phase 1 Excavation Summary

As of: 7/17/2020

Excavation	Type	EOS-1			EOS-2			EOS-4			MU-1 to MU-3			TOTAL		
		Volume (BANK CY)	% of		Volume (BANK CY)	% of		Volume (BANK CY)	% of		Volume (BANK CY)	% of		Volume (BANK CY)	% of	
Excavation	Type	Excavated	Planned	Planned	Excavated	Planned	Planned	Excavated	Planned	Planned	Excavated	Planned	Planned	Excavated	Planned	Planned
Main	Non-Rad	0	0	NA	0	0	NA	0	0	NA	1440	1440	100.0%	1440	1440	100.0%
Main	Rad Support Only	2355	1894	124.3%	4510	3790	119.0%	0	3047	0.0%	0	0	NA	6865	8731	78.6%
Main	Rad w/ ESS Support	14649	15447	94.8%	602	413	145.8%	0	949	0.0%	0	0	NA	15251	16809	90.7%
Step-out	Rad Support Only	78	0	NA	242	0	NA	0	0	NA	0	0	NA	320	0	NA
Step-out	Rad w/ ESS Support	34	0	NA	0	0	NA	0	0	NA	0	0	NA	34	0	NA
	Subtotal	17116	17341	98.7%	5354	4203	127.4%	0	3996	0.0%	1440	1440	100.0%	23910	26980	88.6%
Subtotal Excluding MU-1 to MU-3:														22470	25540	88.0%

CY = cubic yards



BIWEEKLY FIELD WORK STATUS REPORT

Project Name:	HPNS Parcel E Remedial Action; Phase 3	Date:	July 17, 2020
Contract Number:	N62473-17-D-0006	Reporting Period:	6/27/2020 thru 7/17/2020
Task Order Number:	CTO-N6247318F4761 (RADMAC II)	Contractor Name:	APTIM Federal Services, LLC
Contracting Office:	NAVFAC Southwest		1725 Duke Street, Suite 400
Contracting Officer:	Karen Barba		Alexandria, VA 22314
RPM	Leo Larson	APTIM PM	Nels Johnson
Navy Lead RPM	Paul Stoick		nels.johnson@aptim.com
			925-787-0677
Period of Performance:	June 29, 2018 through June 29, 2021	APTIM Project No.	501158

1. Summary of Field Work Accomplishments During Reporting Period

Work Element	Comments
1.0 - Project Management and Admin Support	Managed overall Project scope, schedule and budget. Participated in Weekly QC Meeting. Communicated project updates, key issues/aspects and path forward to Navy RPM on a regular basis. Prepared and submitted draft schedule of values for June invoicing and draft slides for upcoming Community Meeting.
2.3.1 thru 2.3.4 - Temporary Construction Facilities, Mobilization, and Site Maintenance	Maintained temporary facilities including Radiological Controls, Security, BMPs, Air Monitoring, Turbidity Curtain, Surface Water Samples, UXO and Topographic Surveys.
2.3.5 - Excavation; Tier 1, 2 and TPH Locations; EOS-1, EOS-3 and EOS-4	No progress with Excavation and Debris Removal in EOS-3 and EOS-4 during the period. Commenced excavation and mechanical screening of soil within the footprint of the shoreline revetment bench in EOS-1 and EOS-2. Soil is intended to be Radiologically cleared and re-used as part of the revetment anchor bench. Submitted the Pre-operational Test Results Report to the Navy on July 16, 2020. Began processing Rad Only excavated soil thru the S3 as part of the Proof of Concept under the Phase 1 task order.
2.3.6 - IR-02 Nearshore Slurry Wall Construction	Completed construction of the Nearshore Slurry Wall and protective cap. Approximately 1,064 lf of the slurry wall was constructed in IR-02 NW. Slurry Wall Subcontractor has demobilized personnel and equipment.
2.3.7 - Radiological Screening of Excavated Soil, Sediment and Debris	No activity this period.
2.3.8 - Shoreline Protection and Armored Revetment	No activity this period.
2.3.9 - Biological Coordination	As-needed weekly coordination.
2.3.10 - Waste Loading, Hauling and Disposal	No activity this period.
4.0 - Data Submission Reports	No activity this period.

**BIWEEKLY FIELD WORK STATUS REPORT****2. Planned Accomplishments During Next Reporting Period**

Work Element	Comments
1.0 - Project Management and Admin Support	Manage overall Project scope, schedule and budget. Participate in Weekly QC Meeting. Continue to communicate project updates, key issues/aspects and path forward to Navy RPM on a regular basis.
2.3.1 thru 2.3.4 - Temporary Construction Facilities, Mobilization, and Site Maintenance	Maintain temporary facilities including Radiological Controls, Security, BMPs, Air Monitoring, Turbidity Curtain, Surface Water Samples, UXO and Topographic Surveys.
2.3.5 - Excavation; Tier 1, 2 and TPH Locations; EOS-1, EOS-3 and EOS-4	Continue excavation and mechanical screening of soil within the footprint of the shoreline revetment bench in EOS-1 and EOS-2. Soil is intended to be Radiologically cleared and re-used as part of the revetment anchor bench. Prepare to move personnel/equipment in EOS-4 area and complete debris removal and begin shoreline excavations in August.
2.3.6 - IR-02 Nearshore Slurry Wall Construction	Complete as of July 8, 2020
3.9 - Biological Coordination	As-needed weekly coordination.

3. Open Items:

Status of FCRs:	There have no FCRs submitted to-date on CTO4761.
Status of Submittals:	There have been 7 submittals to-date approved by the Navy that are related to rebar for seawall, shoring design, slurry wall mix, import fill (General, Drain Rock, Armor Stone), and slurry wall implementation. Submittal 008 (Filter Fabric) submitted for information purposes and Submittal 009 (CPT Investigation) was submitted and is pending Navy approval.



BIWEEKLY FIELD WORK STATUS REPORT

Status of Modifications/REAs:

CTO 4716 MOD 06 was received on June 4, 2020.

4. Production Summary:

Status of Excavation:

Four of the eleven Tier 1, 2 and TPH tidal excavations have been completed; excavated, sampled and backfilled.

Status of Nearshore Slurry Wall:

The temporary sheetpile shoring installation was completed on June 9th (approximately 1,070 lf) and the construction of the Nearshore Slurry Wall and protective cap was completed on July 8th.